

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) A composite amplifier having a power amplifying stage ~~consisting of comprising~~ an even number of power amplifiers arranged into a plurality of Chireix pairs ~~(PA11, PA12, PA21, PA22)~~ connected to a common load.

2. (Currently Amended) The amplifier of claim 1, including means ~~(21)~~ for driving at least one Chireix pair by drive signals having amplitude dependent phase over at least a part of the dynamic range of the composite amplifier.

3. (Currently Amended) The amplifier of claim 2, including means ~~(21)~~ for driving at least two Chireix pairs in outphasing mode over different parts of the dynamic range of the composite amplifier.

4. (Currently Amended) The amplifier of claim 3, including means ~~(21)~~ for driving each Chireix pair in outphasing mode over a different part of the dynamic range of the composite amplifier.

5. (Currently Amended) The amplifier of claim 3, wherein each Chireix pair includes an output network, at least two output networks being ~~characterized comprising~~ by different compensating reactances.

6. (Currently Amended) The amplifier of claim 3, wherein each Chireix pair includes an output network, said output networks all being ~~characterized comprised by~~ different compensating reactances.

7. (Previously Presented) The amplifier of claim 3, wherein each Chireix pair includes an output network formed by transmission lines of different length from each power amplifier in the pair to said common load, the length difference being different for at least two pairs.

8. (Previously Presented) The amplifier of claim 3, wherein each Chireix pair includes an output network formed by transmission lines of different length from each power amplifier in the pair to said common load, the length difference being different for all pairs.

9. (Currently Amended) The amplifier of claim 3, including means ~~(21)~~ for driving at least one Chireix pair with substantially linear current amplitudes above its corresponding outphased part of the dynamic range of the composite amplifier.

10. (Currently Amended) The amplifier of claim 3, including means ~~(21)~~ for driving at least one Chireix pair with substantially linear current amplitudes below its corresponding outphased part of the dynamic range of the composite amplifier.

11. (Currently Amended) A method of driving a composite amplifier including a plurality of Chireix pairs of power amplifiers connected to a common load, said method including the step of driving at least one Chireix pair by drive signals having amplitude dependent phase over at least a part of the dynamic range of the composite amplifier.

12. (Currently Amended) The method of claim 10, further including the step of driving at least two Chireix pairs in outphasing mode over different parts of the dynamic range of the composite amplifier.

13. (Currently Amended) The method of claim 12, further including the step of driving each Chireix pair in outphasing mode over a different part of the dynamic range of the composite amplifier.

14. (Currently Amended) The method of claim 13, further including the step of driving at least one Chireix pair with substantially linear current amplitudes above its corresponding outphased part of the dynamic range of the composite amplifier.

15. (Currently Amended) The method of claim 13, further including the step of driving at least one Chireix pair with substantially linear current amplitudes below its corresponding outphased part of the dynamic range of the composite amplifier.

16. (Currently Amended) A radio terminal ~~having comprising~~ a power amplifying stage ~~consisting of comprising~~ an even number of power amplifiers arranged into a plurality of Chireix pairs (~~PAL1, PA12, PA21, PA22~~) connected to a common load.

17. (Currently Amended) The radio terminal of claim 16, including means ~~(21)~~ for driving at least one Chireix pair by drive signals having amplitude dependent phase over at least a part of the dynamic range of the composite amplifier.

18. (Currently Amended) The radio terminal of claim 17, including means ~~(21)~~ for driving at least two Chireix pairs in outphasing mode over different parts of the dynamic range of the composite amplifier.

19. (Currently Amended) The radio terminal of claim 18, including means ~~(21)~~ for driving each Chireix pair in outphasing mode over a different part of the dynamic range of the composite amplifier.

20. (Currently Amended) The radio terminal of claim 17, wherein each Chireix pair includes an output network, at least two output networks being ~~characterized comprised~~ by different compensating reactances.

21. (Currently Amended) The radio terminal of claim 17, wherein each Chireix pair includes an output network, said output networks all being ~~characterized comprised~~ by different compensating reactances.

22. (Previously Presented) The radio terminal of claim 17, wherein each Chireix pair includes an output network formed by transmission lines of different length from each power amplifier in the pair to said common load, the length difference being different for at least two pairs.

23. (Previously Presented) The radio terminal of claim 17, wherein each Chireix pair includes an output network formed by transmission lines of different length from each power amplifier in the pair to said common load, the length difference being different for all pairs.

24. (Currently Amended) The radio terminal of claim 17, including means ~~(21)~~ for driving at least one Chireix pair with substantially linear current amplitudes above its corresponding outphased part of the dynamic range of the composite amplifier.

25. (Currently Amended) The radio terminal of claim 17, including means ~~(21)~~ for driving at least one Chireix pair with substantially linear current amplitudes below its corresponding outphased part of the dynamic range of the composite amplifier.

26. (Previously Presented) The radio terminal of claim 16, wherein said radio terminal is a mobile radio terminal.

27. (Previously Presented) The radio terminal of claim 16, wherein said radio terminal is a base station.